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Substitute for Form 1449 A & B/PTO	APR 0 5 2004	Comp	plete if Known
		Application Number	10/049,830
INFORMATION DIS STATEMENT BY A	CLOSURE	Confirmation Number	6300
STATEMENT BY A	PPLICANT	Filing Date	February 19, 2002
		First Named Inventor	Kenji TSUKADA
(use as many sheets as	necessary)	Art Unit	2853
	-	Examiner Name	Alfred E. Dudding AN DO
Sheet 1	of 1	Attorney Docket Number	067368

	U.S. PATENT DOCUMENTS							
Examiner	Cite	Document	Number	Publication Date				
Initials*	No.1	Number	Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Name of Patentee or Applicant of Cited Document			
10		US 5,841,454	33	11/24/1998	Hall et al.			
10	(	US 6,536,861		03/25/2003	Usui et al.			
100		US 6,003,966		12/21/1999	Ahn, Byung-Sun			
100	$\mathcal{I}$	US 5,179,389	)	01/12/1993	Arai et al.			
M		US 4,570,482		02/18/1986	Murata et al.			
79		US 5,233,369		08/03/1993	Carlotta et al.			
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I	)	US	1					
	7	US			·			

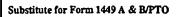
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Cite	Foi	reign Patent Docur	nent	Publication Date	Name of Patentee or		
No.¹	Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Translation <sup>6</sup>	
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	Cite No. 1	No. Country	No. Country	No. Country Kind Code	No. Country Kind Code MM-DD-YYYY	No. Country Kind Code MM-DD-YYYY Applicant of Cited Document	

	NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>			
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>3</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.





## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 6

	Сотр	olete if Known
	Application Number	10/049,830
	Confirmation Number	6300
	Filing Date	February 19, 2002
	First Named Inventor	Kenji TSUKADA
	Art Unit	2853
	Examiner Name	Alfred E. Dudding AN DO
_	Attorney Docket Number	Q67368

	U.S. PATENT DOCUMENTS							
Eveniner	Examiner Cite Document Number		Yumber	Publication Date				
Initials*	No.1	Number	Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Name of Patentee or Applicant of Cited Document			
-08	5	US 4,329,875		05/18/82	Nolting et al.			
113	7	US 4,703,652		11/03/87	Itoh et al.			
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ROT	)	US 6,089,688	)	07/18/00	Froger et al.			
()a		US 3,110,890		11/12/63	V.C. Westcott et al.			
M		US 5,410,518		4/25/1995	Birkett			
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100		US 4,853,718		8/1/1989	El Hatem et al.			
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M		US 5,473,353		12/5/1995	Soucemarianadin et al.			
Do		US 5,616,929		04/01/97	Hara ·			
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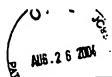
FOREIGN PATENT DOCUMENTS										
Examiner Cite		Fo	reign Patent Doci	ume	ent	Publication Date	Name of Patentee or	_		
Initials*	No.	Country Code <sup>3</sup>	Number <sup>4</sup>	$\sqcap$	Kind Code <sup>5</sup> (if known)	MM-DD-YYYY Applicant of Cited Document	Applicant of Cited Document	Tran	Translation*	
10	7	JР	58-205820	14		11/30/83				
No	$\overline{}$	FR	2,572,519	J		05/02/86			)	
DO	5	JР	60-4820	$\neg$		01/11/85				
100	(	EP	0 684 136	기	A2 & A3	11/29/95			\	

	_	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
139	7	Patent Abstracts of Japan, 11020186, 04/30/99, vol. 1999, no. 4	
D	$\overline{}$	Patent Abstracts of Japan, 02034353, vol. 014, no. 186	}
13	5	Patent Abstracts of Japan, 07081290, vol. 1995, no. 06	) "

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.



Complete if Known Substitute for Form 1449 A & B/PTO 10/049,830 **Application Number** INFORMATION DISCLOSURE Confirmation Number 6300 February 19, 2002 STATEMENT BY APPLICANT Filing Date First Named Inventor Kenji TSUKADA Art Unit 2853 (use as many sheets as necessary) Alfred B. Dudding AN **Examiner Name** Sheet 2 Attorney Docket Number Q67368

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document N	Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		
100	/	US 4,811,595		3/14/1989	Marciniak et al.		
	5	US 4,770,038		9/13/1988	Zuckerwar et al.		
		US 5,353,631		10/11/1994	Woringer et al.		
	7	US 5,949,447		9/7/1999	Arai et al.		
		US 5,774,136		6/30/1998	Barbehenn et al.		
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		US 6,164,744		12/26/2000	Froger et al.		
		US 3,832,900		9/3/1974	Ross		
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<del>-   / -  </del>	<del></del>	US 6,536,861	<del></del>	03/25/2003	Usui et al.		
<del>//</del>		US 6,003,966	1 (	12/21/1999	Ahn, Byung-Sun		
A CONTRACTOR		US 5,179,389		01/12/1993	Arai et al.		

Examiner Signature Date Considered 3/2/05

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>6</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.



Substitute for Form 1449 A & B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 6

Complete if Known					
Application Number	10/049,830				
Confirmation Number	6300				
Filing Date	February 19, 2002				
First Named Inventor	Kenji TSUKADA				
Art Unit	2853				
Examiner Name	Alfred E. Dudding AN DO				
Attorney Docket Number	Q67368				

	U.S. PATENT DOCUMENTS										
		Document N	umber	Publication Date MM-DD-YYYY							
Examiner Initials*	Cite No.1	Number	Kind Code <sup>2</sup> (if known)		Name of Patentee or Applicant of Cited Document						
100	7	US 4,570,482	)·	02/18/1986	Murata et al.						
Sa		US 5,233,369	1 7	08/03/1993	Carlotta et al.						
10	7	US 6,361,136		03/26/02	Watanabe et al.						
100		US 6,536,861	15	03/25/03	Usui						

Examiner	Cite	Fo	Foreign Patent Document			Name of Patentee or	
Initials* No.		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>8</sup> (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Translation <sup>6</sup>
100		wo	98/31548		7/23/1998	Hewlett-Packard Company	
ſ	7	JP	63247047		10/13/1988	Canon Inc.	
	7	GB	2 304 898		3/26/1997	The Whitaker Corporation	
		wo	98/09139		3/5/1998	The General Electric Company	
		.EP	0 873 873		10/28/1998	Hewlett-Packard Company	
	(	JP	06297726		10/25/1994	Canon Inc.	
	<del>)</del>	JP	62-95225		5/1/1987	Canon Inc.	)
	7	EP	0 676 624		10/11/1995	Simmonds Precision Products Inc.	17
		EP	0 803 364		10/29/1997	Canon Inc.	
	)	EP	1 088 668		4/4/2001	Hewlett-Packard Company	
		JP	10026549		1/27/1998	Nohken	<del>                                     </del>
	7	JP	07137276		5/30/1995	Canon Inc.	( .
	$\overline{}$	EP	0 853 236		7/15/1998	Smiths Industries Public Limited Co.	
		JP	04135862		5/11/1992	Seikosha Co. Ltd.	<del>)</del>
		JР	10-305590		11/17/1998	Matsushita Electric Co., Ltd.	
		wo	99/42293	<b></b>	8/26/1999	Minnesota Mining & Manufacturing Co.	
	7	EP	0 660 092		6/28/1995	Canon Inc.	
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1		JP	2000318183	1	11/21/2000	Sony Corporation	
1/	7	EP	0885731		12/23/98	Kanome	)-
V		EP	0860284	1	08/26/98		/
100		JР	10-323997 🗸		12/08/98		

•		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
M	ζ	US 2002/0105555, published 8/8/2002 to Tsukada et al.	y
D	3	US 2002/0015084, published 2/7/2002 to Tsukada et al.	
B	7.	US 2002/0012015, published 1/31/2002 to Tsukada et al.	

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the byperlink from the title of the document to the intranet. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.



Substitute for Form 144	A S. BOTO	יי נען		Comp	Complete if Known		
Substitute for Form 144	A & BIFTO	.15.54		Application Number	10/049,830		
INFO	RMATION	DISCLOS	SURE	Confirmation Number	6300		
	EMENT BY			Filing Date	February 19, 2002		
~				First Named Inventor	Kenji TSUKADA		
(use	as many sheets	s as necessa	ry)	Art Unit	2853		
·				Examiner Name	Alfred E. Dudding AN DO		
Sheet	4	of	6	Attorney Docket Number	Q67368		

	U.S. PATENT DOCUMENTS										
		Document N	lumber	Publication Date MM-DD-YYYY							
Examiner Initials*	Cite No.1	Number	Kind Code <sup>3</sup> (if known)		Name of Patentee or Applicant of Cited Document						
M		US 4,196,625	<i></i>	04/08/80	Kem						
Do		US 4,310,957		01/19/82	Sachs						
B		US 4,337,470	)	06/29/82	Furukawa						
180	7	US 4,570,482		02/18/86	Murata						
M	$\overline{}$	US 4,604,633	$\overline{}$	08/05/86	Kimura et al.						
10	<del></del>	US 4,677,448	)	06/30/87	Mizusawa et al.						
DT	7	US 4,935,751		06/19/90	Hamlin						
M	$\overline{}$	US 4,977,413		12/11/90	Yamanaka et al.						
M	7	US 5,068,836		11/26/91	Steel						
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Examiner Initials*	Cite	Fo	reign Patent Docum	ent	Publication Date	Name of Patentee or	Translation <sup>6</sup>	
	No.1	Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document		
100		CN	1274845	11	11/29/00			
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100	$\overline{}$	JP	56-39413		04/15/81	Ota		
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180	7	JР	11-277760 /		10/12/99			
10		JР	11-334107 [	(	12/07/99	Nakamura		
10	<del></del>	JР	4-234670 /		08/24/92			
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SO	<	PATENT ABSTRACTS OF JAPAN, vol. 1995, no. 08, 29 September 1995 & JP 07 137276 A (Canon Inc.) 30 May 1995 abstract	5
10	)	US 2002-0170353, November 21, 2002, US 10/191423, Usui et al.	
18	7	US 2003-0043216, March 6, 2003, US 10/243730, Usui et al.	
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No.		US 2003-0140694, July 31, 2003, US 09/572849, Usui et al.	
SO		US 2003-0071862, US 10/019682, Tsukada et al.	<u> </u>

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<sup>&#</sup>x27;Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

Complete if Known Substitute for Form 1449 A & B/PTO **Application Number** 10/049,830 Confirmation Number 6300 INFORMATION DISCLOSURE February 19, 2002 Filing Date STATEMENT BY APPLICANT Kenji TSUKADA First Named Inventor (use as many sheets as necessary) Art Unit 2853 **Examiner Name** Alfred F. Dudding AN Sheet 5 of 6 Attorney Docket Number Q67368

·····		Document N		PATENT DOCU	MENTS
Examiner Initials®	Cite No.1	Number	Kind Code <sup>2</sup> ((f known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
B		US 5,179,389	Ĉ	01/12/93	Arai
10	<u> </u>	US 5,233,369		08/03/93	Carlotta
185	$\overline{}$	US 5,506,611		04/09/96	Ujita et al.
100	(	US 5,610,635		03/11/97	Murray
10		US 5,635,961	1	06/03/97	
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10	$\overline{\zeta}$	US 5,835,817	7	11/10/98	Bullock et al.
BY		US 5,841,454		11/24/98	Hall
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10		JP	5-318757 ✓		12/03/93		
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B.		JP	62-184856	7	08/13/87		
DO	7	EP	0803365		10/29/97		
D		EP	0956964		11/17/99		
10	)	JР	11-020162	7	01/28/99		
B	7	JP	56-061421 V	7	10/17/84	)	
100	(	JP	59-052422 ✓		04/06/84		
100		JP	1-067530 🗸	/	05/01/89		
B		JР	5-025325		04/02/93	Ì	
Do		JP	2000-190523 /	)	07/11/00	/	
B	1	JP	56-39414	7	04/15/81	(	

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AX		US 2002-0135623, September 26, 2002, Tsukada et al.						
18	5	US 2002-0015068, February 7, 2002, Tsukada et al.						
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Substitute for Form 1449 A & B/PTO **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

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Application Number	10/049,830			
Confirmation Number	6300			
Filing Date	February 19, 2002			
First Named Inventor	Kenji TSUKADA			
Art Unit	2853			
Examiner Name	Alfred B. Dudding ANDO			
Attorney Docket Number	Q67368			

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Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
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**Examiner Signature** Date Considered

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